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5. A gas separator member according to claim 1 wherein the layer of oxidation resistant material has a thickness in the range of about 50 to about 1000 microns, preferably up to 200 microns, more preferably up to 100 microns.
6. A gas separator member according to claim 1 wherein the layer of oxidation resistant material is selected from the group consisting of a foil attached to the layer of copper or copper-based alloy, a coating on the layer of copper or copper-based alloy and a substrate onto which the layer of copper or copper-based alloy is coated.
14. A gas separator member according to claim 1 which includes a protective layer on the anode side of the layer of copper or copper-based alloy.
23. A gas separator member according to claim 21 having a thickness in the range of from about 1mm to about 4mm, preferably to about 2mm.
24. A gas separator member according to claim 21 which has been heated to at least 650°C to form an alumina surface layer on a cathode side and, optionally, on an anode side thereof.

IN THE ABSTRACT OF THE DISCLOSURE

Please add the following new paragraph and heading at page 19, line 1:

--ABSTRACT OF THE DISCLOSURE

A fuel cell includes a copper-based gas separator that comprises a layer of solid oxide electrolyte, an anode layer, and a cathode layer. The gas separator member has an anode side and a cathode side that has a layer of copper or copper-based alloy that includes a layer of oxidation-resistant material. Surprisingly such copper-based gas